

Title (en)

Dual geometry for slide-bead coating

Title (de)

Zweiteilige Geometrie der Lippenoberfläche zur Wulstbeschichtung

Title (fr)

Géométrie en deux parties de la surface de la lèvre d'écoulement pour l'enduction à la perle

Publication

EP 0690340 B1 20000322 (EN)

Application

EP 95108765 A 19950607

Priority

US 26640194 A 19940627

Abstract (en)

[origin: US5458925A] A slide-bead coating technique utilizes a dual slide that includes an upper slide surface connected to a lower slide surface terminating at a coating lip. A substrate is transported on a coating roll past the coating lip so as to form a liquid bead at a coating location disposed between the coating lip and the substrate. The coating location is positioned more than ten degrees (10 DEG) but no more than fifty degrees (50 DEG) circumferentially below a horizontal centerplane passing through an axis of rotation of the coating roll. The lower slide surface forms an angle of between eighty-five degrees (85 DEG) and ninety-five degrees (95 DEG) with the plane tangent to the surface of the substrate at the coating location.

IPC 1-7

G03C 1/74

IPC 8 full level

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CPC (source: EP US)

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